

Academic Qualification

2024	Bachelor’s in Computer Science	Institute of Business Administration Dean’s List (Fall 2020 to Fall 2023)	2020 - 2024 CGPA: 3.78
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Achievements & Certificates:

- GDSC IBA Head (Program Design & BootCamp)
- ICPC 2023 Asia Topi Regional On-site Contest
- Android Bootcamp (GDSC)
- Data Science Competition( ITEC’22)
- Procom 2023 Data Science Competition
- Integration Bootcamp (Astera)
- ICPC 2023 Asia Topi Regional On-site Contest

Professional Experience

Indus Delta Capital, Mobile Application Developer

September 2023 -May 2024

- Spearheaded the development of "Survey Kollect," a Flutter-based mobile application, prioritizing security and a seamless UI/UX. This app efficiently streamlined the sensitive data collection process, demonstrating strong coding and troubleshooting skills.
- Maintained application and database security standards and kept pace with new Flutter technologies for continual improvement.

IBA, Database Management System Teachers Assistant

August 2023 – December 2023

- Led instructional sessions on Node.js for backend API development, Oracle DB integration, and React.js frontend applications, including the creation of a foundational code template for student projects at IBA.
- Managed Database labs focused on OracleDB and MongoDB, ensuring operational excellence and adherence to database standards.

Sadiq.Ai, Web Developer (Intern)

July 2023 – August 2023

- Developed a Front-End interface for PureVersity’s MemberArea (a Gaditek contract) using TypeScript and Next.js, which had a seamless user flow with state management implemented to render the UI with respect to the changes input by the user.

Vailder, Junior Software Developer

November 2022 – June 2023

- Implemented GPT-3 API having 175 billion parameters, with fine-tuning for job description generation, incorporating persona-based tone.
- Developed LinkedIn scraping functionality for the Valider Chrome extension, providing streamlined applicant ranking for recruiters.

Major Projects:

Scanning Dots:

- "Scanning Dots" is a feature-rich Flutter app I built. It utilizes multithreading for smooth camera frame processing and integrates machine learning models (TFLite, PyTorch, ML Kit) for real-time analysis. The app prioritizes user experience with responsive design and Lottie animations.
- Spearheaded the development of "Scanning Dots," a feature-rich Flutter app leveraging isolates (multithreading) and ML models (TFLite, PyTorch, ML Kit) for real-time analysis. I led the implementation of custom mapping logic, built the entire backend infrastructure, and actively contributed to computer vision tasks like shadow removal and contour detection.

Asaan-Retail Website:

- Developed the frontend for 'Asaan Retail', a retail platform supporting over 15 service partners, using Next.js, HTML, SaSS, and JavaScript, prioritizing custom designs with minimal reliance on AntDesign Components for a sleek experience.
- Received commendable feedback from clients for delivering a sophisticated interface that enhances the visual appeal and usability of the 'Asaan Retail' website.

Survey Kollect:

- Engineered 'Survey Kollect', a robust mobile application for Delta Blue Carbon, the leading environmental firm in Pakistan focusing on mangrove and forestation projects, to streamline their sensitive data collection process using Flutter, BLoC state management, and local sqflite databases, also Secured the application with Microsoft authentication allowing restricted access.
- Designed to operate offline with AWS Elastic Beanstalk and RDS-backed cloud syncing capabilities, ensuring secure and efficient data flow from mobile devices to the company’s central database upon Wi-Fi availability and deployed the backend and front end on Azure Containers using container Instances and Container Registry.

PureVersity-Member’s Area:

- As an accomplished Frontend Developer, I took on the responsibility of creating the interface for PureVersity Member’s Area, a contracted project by PureVPN, under the ownership of Gaditek, which, in turn, is affiliated with Digital Ocean. Utilizing my skills in Next.js, TypeScript, and MUI, I developed a user-friendly and visually appealing frontend that seamlessly integrated with the backend. My dedication to learning and staying up-to-date with the latest technologies played a key role in the project's success..

Naj-ul-Balagha Mobile App:

- Developed a robust Flutter app integrating Firebase Firestore and Auth. Users benefit from secure authentication, personalized notes, bookmarks, the App had thorough testing, and seamless data synchronization with Firestore using state management technique blocs.

Extracurricular Activities

**Computer Science Society, Head of Program Design:** Orchestrated the design and implementation of Codefest 2022, and Escape Room 2022 at Nexus, organized by the Computer Science Society. In which We managed 20 teams, each consisting of 4 to 5 individuals, and played a key role in designing the clues. Provided supervision to each team's experience in the escape room.

**Enigma:** Expertly directed program design and smoothly managed the Scavenger Hunt component of Enigma 2022, supervising over 625 participants. Crafted innovative clues that earned the module recognition as the Best Managed component at IBA's Enigma 2022.

Skills

- JavaScript, TypeScript, Flutter, NODE JS, React JS, Next JS, Python, Unity, C#, C/C++ Fundamentals, JAVA, CSS, HTML, JIRA, Confluence, GitHub, Figma, MongoDB, Bit Bucket, CUDA Python, AWS Cloud, Azure